

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10597307
	Filing Date		2005-02-02
	First Named Inventor	Andrea Marziali	
	Art Unit	1759	
	Examiner Name	Alex Noguerola	
	Attorney Docket Number	B719 0005/GNM	

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	2	4732656		1988-03-22	Hurd	
	3	4911817		1990-03-27	Kindlmann	
	4	5384022	A	1995-01-24	Rajasekaran	
	5	6036831	A	2000-03-14	Bishop	
	6	6693620	A	2004-02-17	Herb	
	7	6824664	B1	2004-11-30	Austin	
	8	6893546	B2	2005-05-17	Jullien	

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	3	20050247563	A1	2005-11-10	Shuber	
	4	20050247564	A1	2005-11-10	Volkel	
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1	2002042500	WO	A2	2002-05-30	Mitsubishi		<input type="checkbox"/>
2	2006063625	WO	A	2006-06-22	Prechel		<input type="checkbox"/>
3	2010051649	WO	A1	2010-05-14	Marziali		<input type="checkbox"/>
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	1	Asbury, Charles L. and Ger van den Engh, "Trapping of DNA in nonuniform oscillating electric fields", Biophysical Journal, 1998, 74:1024-1030.	<input type="checkbox"/>
	2	Asbury, Charles L., et al., "Trapping of DNA by dielectrophoresis", Electrophoresis, 2002, 23:2658-2666.	<input type="checkbox"/>
	3	Carle, G.F., et al., "Electrophoretic separations of large DNA molecules by periodic inversion of the electric field", Science, 1986, 232:65-68.	<input type="checkbox"/>
	4	Chu, Gilbert, "Bag model for DNA migration during pulsed-field electrophoresis", Proc. Natl. Acad. Sci. USA, 1991, 88:11071-11075.	<input type="checkbox"/>
	5	Frumin, L.L., et al., "Anomalous size dependence of the non linear mobility of DNA", Phys Chem Commun, 2000, 11 (3):61-63.	<input type="checkbox"/>

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6	Rousseau, J., et al., "Gel electrophoretic mobility of single-stranded DNA: The two reptation field-dependent factors", Electrophoresis, 2000, 21(8):1464-1470.	<input type="checkbox"/>
7	Slater, G.W., et al., "Recent developments in DNA electrophoretic separations", Electrophoresis, 1998, 19 (10):1525-1541.	<input type="checkbox"/>
8	Slater, G.W., et al., "Theory of DNA electrophoresis: a look at some current challenges", Electrophoresis, 2000, 21:3873-3887.	<input type="checkbox"/>
9	Turmel, Chantal, et al, "Molecular detrapping and band narrowing with high frequency modulation of pulsed field electrophoresis", Nucleic Acids Research, 1990, 18(3):569-575.	<input type="checkbox"/>
10	Viovy, J.L., "Electrophoresis of DNA and other polyelectrolytes: Physical mechanisms", Review of Modern Physics, 2000, 72(3):813-872.	<input type="checkbox"/>
11	Office Action mailed 27 December 2010 for US Patent Application No. 11/815,760, Marziali, et al., filed 7 February 2006, 29 pages.	<input type="checkbox"/>
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- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ A certification statement is not submitted herewith.

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/JenniferAMarles/	Date (YYYY-MM-DD)	2011-10-20
Name/Print	Jennifer A. Marles	Registration Number	66114

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